

# Marcio von Muhlen

Biological Engineering PhD Candidate

marciovm@gmail.com

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## Experience

### **PhD Candidate at MIT**

August 2005 - Present (4 years 9 months)

I design, perform and analyze experiments in the Manalis and Sasisekharan Labs in the field of analytical biochemistry. My thesis project is to develop surface assays on the Suspended Microchannel Resonator, a breakthrough technology developed in the Manalis Lab that allows label-free detection of biomolecules in an integrated microfluidic device.

### **MIT IAP externship at Autonomic Technologies, Inc**

January 2010 - January 2010

I worked with the product development team on safety testing.

### **Managing Director at MIT Clean Energy Prize**

January 2009 - September 2009 (9 months)

Responsible for overall management of the MIT Clean Energy Prize. This competition is open to student teams from any US university, and with \$500,000 in awards is the largest energy entrepreneurship competition in the world. I managed a team of 23 organizers consisting of MBA and PhD candidates from MIT and Harvard.

*1 recommendation available upon request*

### **Entrepreneurship Chair at MIT Energy Club**

March 2008 - April 2009 (1 year 2 months)

I interacted with students from across the MIT campus (technical, business and policy) interested in entrepreneurship as well as the local VC and angel communities. I created the CleanTechnology Seminar series which brought 3 CEOs of starts up in the cleantech space to campus to speak to students about their experiences.

### **Research Assistant I at UC Berkeley**

May 2003 - May 2005 (2 years 1 month)

In the Fletcher Lab I co-developed the Piezoelectric Microjet, a needle-free alternative for trans dermal drug delivery. Over 2 years of work in the project I co-authored a scientific article and a patent, wrote a grant application that netted \$20k from a national inventor's fund to pay my own salary, presented results at multiple conferences throughout California, and secured funding through a presentation to a multinational medical device company that funded a PhD student to take over my project when I left for grad school.

### **President at Delta Upsilon Fraternity, California Chapter**

December 2003 - December 2004 (1 year 1 month)

Responsible for the overall success of the chapter, most highly dependent on maintaining a large membership of brothers committed to upholding the ideals of the fraternity. Chaired executive committee of 7 officers. Accomplishments include increasing brotherhood size by 40% and raising the house GPA from 26th to 1st (of 32 men's fraternities at Cal) during my time in office.

### **Bartender at Muddy Charles Pub, MIT**

August 2000 - August 2000

As the manager-on-duty I was responsible for keeping customers happy, pouring drinks, and managing the atmosphere during my Thursday night shift. During my stint I overhauled the entertainment schedule due to customer feedback. While working here I became acquainted with many entrepreneurially minded MIT graduate students, my primary motivation for taking the job.

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## Education

### **Massachusetts Institute of Technology**

PhD, Biological Engineering, 2005 - 2010

**Activities and Societies:** Society of Presidential Fellows, Entrepreneurship Lab, MIT Energy Club, Muddy Charles Pub

### **University of California, Berkeley**

B.S., Bioengineering, 2001 - 2005

**Activities and Societies:** Regents and Chancellor's Scholars Association, Delta Upsilon Fraternity, Fletcher Lab

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## Honors and Awards

Siebel Scholar, 2009

MIT McGovern Award for Entrepreneurship, 2009

National Institute of Health Biotechnology fellowship, 2006-2009

MIT Presidential Fellow, 2005-2006

University of California Regent's/Chancellor's Scholar, 2001-2005

National AP Scholar, 2001

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## 1 person has recommended Marcio

"I had the pleasure of working with Marcio as senior leadership of the MIT \$100K Entrepreneurship Competition. Marcio co-lead the enw MIT Clean Energy Prize and his impact was tremendous. In only the second year of competition, Marcio managed to grow the business plan contest ten fold, reaching out to top schools throughout the US for top plans and teams. He deftly managed sponsors, internal and external stakeholders, politics at MIT (no small feat) while also successfully managing his peers without any monetary compensation as leverage. Marcio will undoubtedly be a very successful entrepreneur and professional and I highly recommend him to anyone looking to work with an up-and-coming leader of tomorrow."

— **Frederic Kerrest**, *MBA Student at MIT Sloan School of Management, MIT*, worked directly with Marcio at MIT Clean Energy Prize

[Contact Marcio on LinkedIn](#)